

A BOON TO LUMBERMEN

Need No Longer Waste Slabs Since Experiment of Bellingham Tar Company.

A NEW SOURCE OF INCOME

Tar, Tar Oil, Turpentine, Charcoal, Pitch, Resin, Acids and Gas Products of Fir Slabs Usually Wasted.

Seattle P. I.—Sawmill and lumbermen throughout the state may now if they so desire, convert their waste material in the way of fir slabs into oils that will render the by-products of their mills almost as valuable as the lumber turned out. Willis E. Young, one of the directors of the Pacific American Tea Company, a Bellingham concern the formation and objects of which has aroused so much interest throughout the east, was in this city yesterday, and to a Post-Intelligencer reporter in the Hotel Stevens explained fully the workings of the company's big plant.

With fifty-five tons of fir wood, such as is thrown away or burned in the slab pile of every sawmill in the state, Mr. Young states that his concern can turn out 1,020 gallons of turpentine, fifty-seven pounds of tar, eight pounds of tar oil, 3,000 bushels of charcoal and 700 gallons of pyrognous acid, while with each cord of wood consumed 10,000 cubic feet of illuminating gas, far more pure than either coal or water gas, is generated.

The plant of the company represents an investment of over \$55,000 and months on months of experimenting. Although it has only been in operation for a couple of months it is already supplying the drug trade of the state with fir tar and tar oil, while it is doing an immense business in pitch, rosin, turpentine, acetate and charcoal. Of the latter, which consists of the residue of the wood after the essential oils have been extracted through a heat process, Mr. Young has shipped to this city thousands of bags within two months.

The method employed by the company is a comparatively simple one.

Fir lumber or slabs with plenty of rosin in it is placed in an immense retort, around which a steady heat is kept up, no heat, however, striking the bottom of the retorts. As the oily wood gradually cooks the oil drips into a large cuplike arrangement at the bottom of the retort. It takes some twenty-four hours to exhaust the oils from the wood by the slow fire maintained.

The crude oils at the bottom of the retorts are next treated, and all the different oils separated and refined. The gas from the retorts is at the present time, carried off and wasted. When, however, the time looks auspicious the company intends to secure a franchise and begin the work of supplying Bellingham with illuminating gas.

It is Mr. Young's desire to educate the sawmill men of the state up to the point where everyone of them will put in a retort for the extraction of the oils. It would not be an expensive operation. Mr. Young says, and will result in securing for the millmen thousands of dollars, inasmuch as they would simply be utilizing their waste material. The Bellingham company agrees to purchase from the millmen the crude oils at a price varying from \$3 per barrel upward. It would cost from \$1,500 to \$2,500 to put in a retort, but, as there are three barrels of oil to secure from a cord of wood, Mr. Young thinks the scheme a practical one.

THROUGH THE CONFESSIONAL.

Alleged Plan of Grafting Comes to Light in New York.

New York, Oct. 24.—Fire Commissioner Hayes has announced the discovery of a plot to obtain from firemen on the eligible list for promotion to higher grades large sums of money. The commissioner was informed of the matter through knowledge which came to a priest in the performance of his church duties.

One of the firemen on the eligible lists, on the advice of the priest, called upon the commissioner and stated that a man who is known to make a business of lending money to city employees had offered to secure the firemen immediate promotion by the use of \$1000. According to the fireman, the money lender used the name of Commissioner Hayes, who was to figure in the transaction. News of the plot aroused the commissioner's ire and he made a rigid investigation during which, he says, it was learned, at least two firemen had been imposed

upon by being led to believe they would be chosen from the eligible list for promotion by the use of money. It is likely the whole matter will be placed before the district attorney for further investigation.

WILL BUILD RAILROAD.

Emperor William to Arbitrate Between Chili and Bolivia.

New York, Oct. 24.—The treaty of peace between Chili and Bolivia which has just been signed contains a clause providing for the construction of a railway between Arica and Lapaz, cables the Herald's Lapaz, Bolivia, correspondent. It is provided that the German emperor will act as arbitrator in case of difficulty in interpreting clauses of the treaty.

General satisfaction over the agreement is felt here, as the prospects of Bolivia are improving each day.

SKIN DISEASES

Altoona, Pa., June 20, 1903.

I was afflicted with Tetter in bad shape. It would appear in blotches as large as my hand, a yellowish color, and scale off. You can imagine how offensive it was. For twelve years I was afflicted with this trouble. At night it was a case of scratch and many times no rest at all. Seeing the good the medicine was doing a friend who was taking it for Eczema, I commenced it, and as a result the eruption began to dry up and disappear, and to-day I am practically a well man. Only two tiny spots are left on the elbow and shin, where once the whole body was affected. I have every confidence in the medicine, and feel sure that in a short time these two remaining spots will disappear. S. S. S. is certainly a great blood purifier, and has done me a world of good. I am grateful for what it has accomplished, and trust that what I have said will lead others who are similarly afflicted to take the remedy and obtain the same good results that I have.

125 East Fifth Ave. JOHN F. LEAR.

While washes, soaps, salves and powders relieve temporarily, they do not reach the real cause of the disease. The blood must be purified before the cure is permanent. S. S. S. contains no potash, arsenic or mineral of any description, but is guaranteed purely vegetable. Send for our book on the skin and its diseases, which is mailed free. Our physicians will cheerfully advise any who write us about their case.

SSS

The Swift Specific Company, Atlanta, Ga.

The STAR THEATER

ASTORIA'S FASHIONABLE VAUDEVILLE HOUSE IN CONNECTION WITH STAR AND ARCADE THEATERS OF PORTLAND " " " "

Change of Program Monday.
Change of Acts Thursdays.

MATINEE DAILY AT 2.45 P. M.

MONSTER BILL
Week Beginning
MONDAY MATINEE, OCT. 24

THE GREAT DOTSON
Clay Modeler and Smoke Picture Artist. Direct from Tony Pastor's, New York.

HEARN & LEWIS
Singers and Knockabout Comedians.
A Pair of Cons.
THE ALTONS

Wonderful Child Contortionist and Equilibrist. Direct From the Chutes Theater, San Francisco.

HARRY HOWARD
Character Artist and Impersonator.
EDOUARD SCOTT,

In Pictured Melodies, Singing Paul Dresser's Latest Eastern Success, "The Boys Are Coming Home Today."

EDISON'S PROJECTOSCOPE,
Depicting Recent Events by Life Motion Pictures.
Admission 10c to any seat.



DELIGHTFUL ROUTE
DAYLIGHT RIDE
IZZY CRAGS
DEEP CANONS

A GOLDEN OPPORTUNITY
See nature in all her glorious beauty, and then the acme of man's handiwork. The first is found along the line of the Denver & Rio Grande Railroad, the latter at the St. Louis World's Fair. Your trip will be one of pleasure—make the most of it. For information and illustrated literature write
W. C. McBRIDE, Gen. Agt.
Portland, Or.

Box Paper Sale

50c paper Monday only 35c
See the Show Window.

J. N. GRIFFIN

Wholesale

CIGARS, PIPES,
TOBACCO, ETC.

WILL MADISON

530 COMMERCIAL ST. 114 ELEVENTH ST.

433 Commercial Street

Phone Main 121

Sherman Transfer Co.

HENRY SHERMAN, Manager

Hacks, Carriages—Baggage Checked and Transferred—Trucks and Furniture Wagons—Pianos Moved, Boxed and Shipped.

ASTORIA IRON WORKS

JOHN FOX, Pres. and Supt. A. L. FOX, Vice President.
F. L. BISHOP, Secretary. ASTORIA SAVINGS BANK, Treas.

Designers and Manufacturers of

THE LATEST IMPROVED

CANNING MACHINERY, MARINE ENGINES AND BOILERS.
COMPLETE CANNERY OUTFITS FURNISHED.

CORRESPONDENCE SOLICITED.

Foot of Fourth Street, ASTORIA, OREGON.

HOTEL PORTLAND

The Finest Hotel in the Northwest

PORTLAND. OREGON.

Just arrived from Newcastle, Australia, by
ship "Oweene"

COAL

Why is it the best for
Heaters, Stoves, Ranges and Fireplaces?

NO DIRT

NO CLINKERS

NO ASHES

NO SLATE

ELMORE & COMPANY, Astoria, Ore.

Prompt Delivery,

Phone your orders, Main 1961.